

Bartlett-IEMA/FEMA Flood Control Project

Jim Plonczynski, AICP
CD Director, Village of Bartlett
August 18, 2015

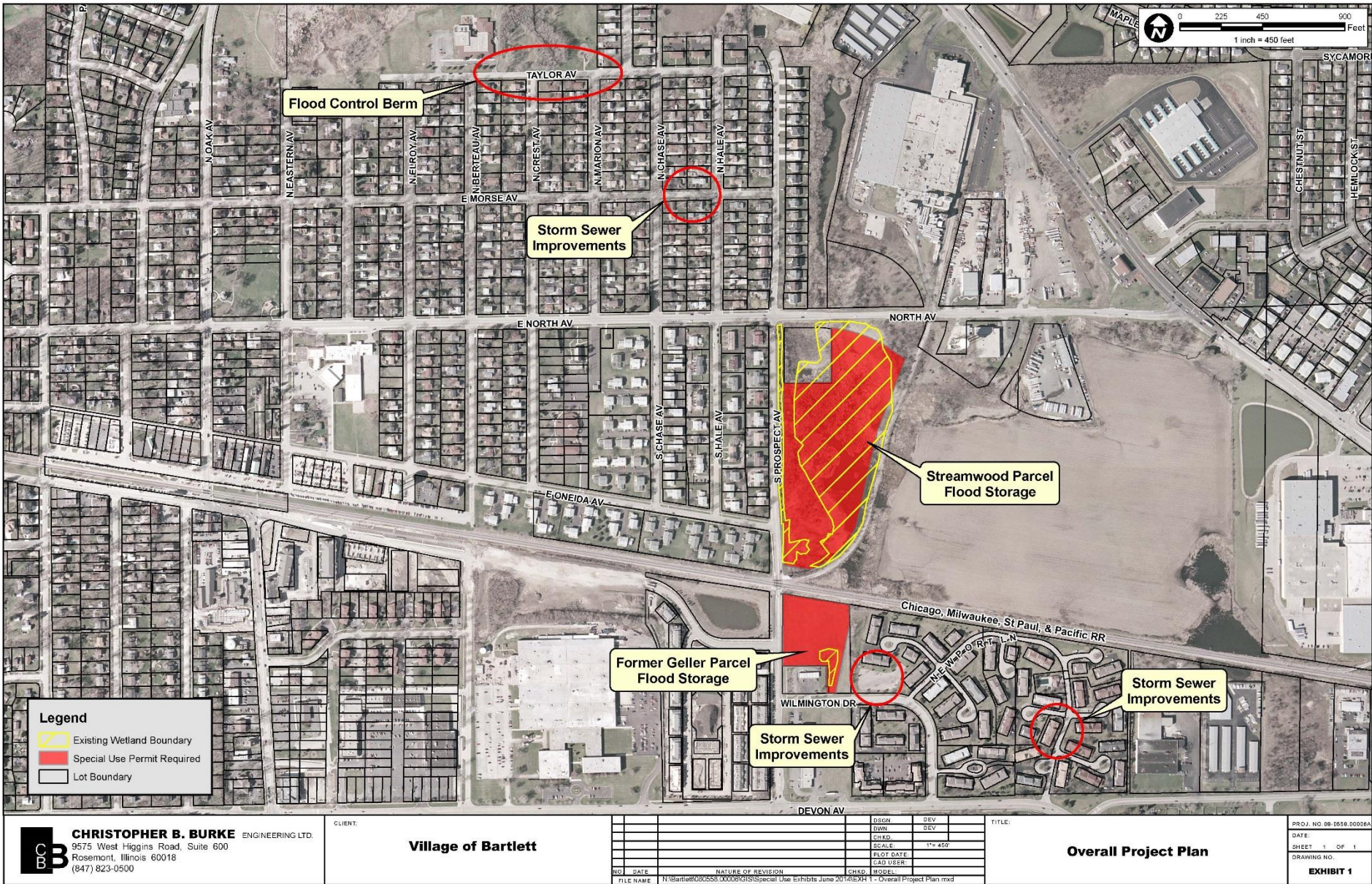
Project History

- September 2008 Flood Event
 - 8.8 inches of rain
- July 2010 Flood Event
 - ~ 7 inches of rain
- FEMA HMGP Grant Application, 2011



Project Overview

- Project Components:
 - Flood storage excavation on “Streamwood Parcel” (Phase 2)
 - Flood storage excavation and drainage improvements adjacent to Hearthwood Farms
 - Minor drainage improvements at Crest and Taylor
- Project Benefits
 - Up to 1.5 ft of flood reduction in study area (100-year event)
- Project Cost = \$5M FEMA HMGP Grant (75 Federal/25 local match)
- FEMA Grant Approved
- Wetland permit obtained from U.S. Army Corps of Engineers



CHRISTOPHER B. BURKE ENGINEERING LTD.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

CLIENT:

Village of Bartlett

NO.	DATE	NATURE OF REVISION	CHKD.	MODEL
1				
FILE NAME	T:\Bartlett\08\0558\00008\GIS\Special Use Exhibits June 2014\EXH 1 - Overall Project Plan.mxd			

TITLE:

Overall Project Plan

PROJ. NO. 08-0558-00008A
 DATE: 11/1/14
 SHEET: 1 OF 1
 DRAWING NO.
EXHIBIT 1

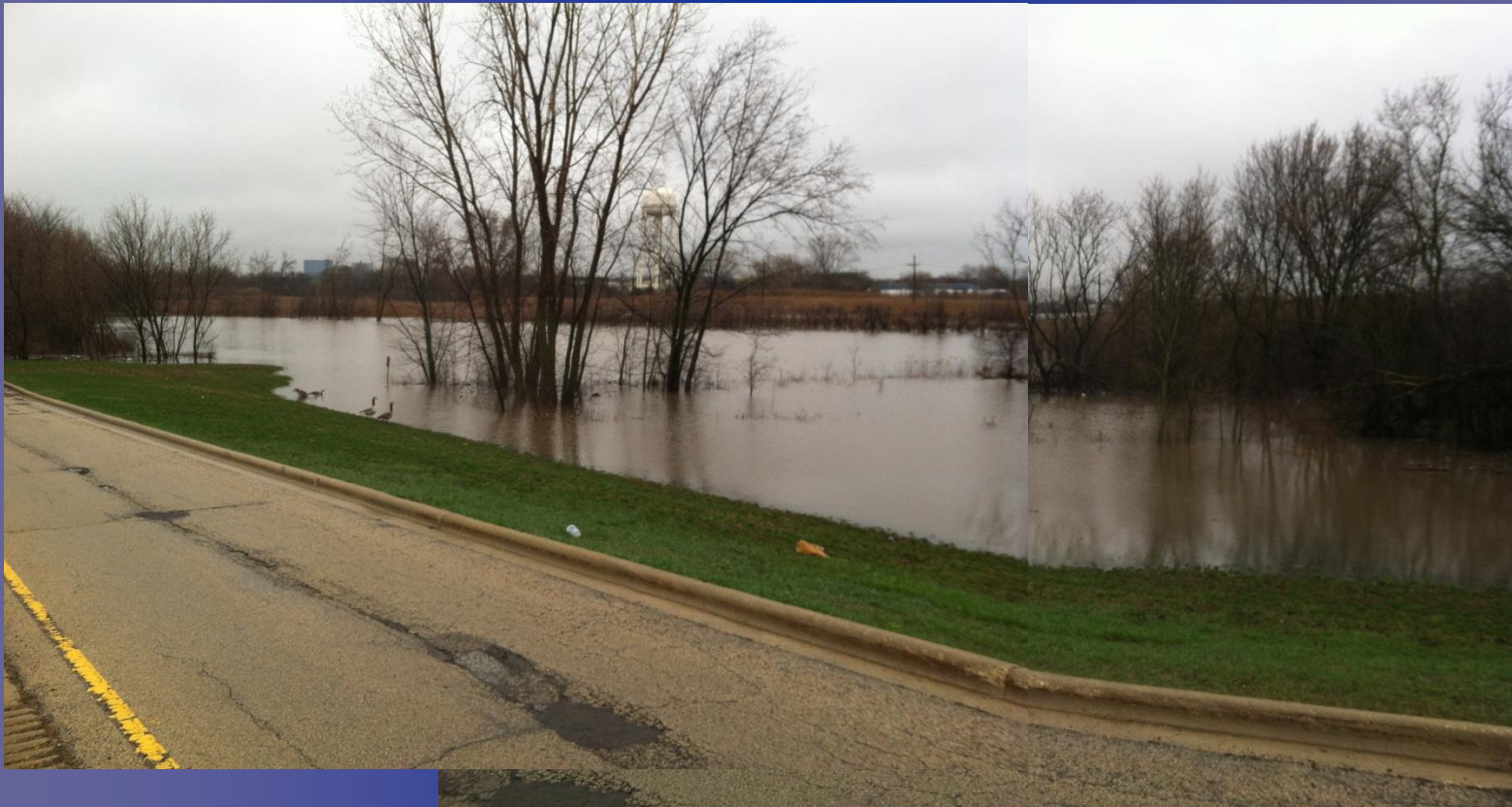
Streamwood Parcel Flood Storage



- Phase 1 completed in 2010
 - New storm sewers + 16 acre-ft flood storage
 - Cost = \$500K
 - Significant water level reductions observed
- Phase 2:
 - FEMA Funding:
 - Property annexation
 - Environmental Assessment
 - Timeline

Streamwood Parcel Phase 1 Flood Storage

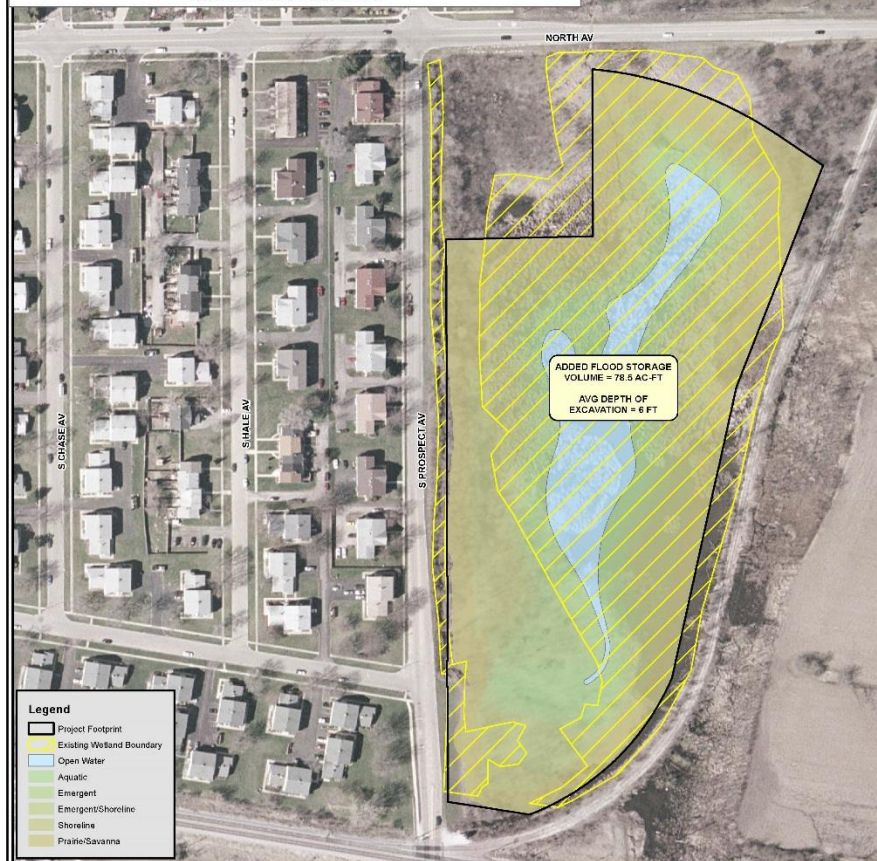
April 18, 2013



August 18, 2015



Typical Hemi-Marsh Wetland Basin



Christopher B. Birba Engineering, Ltd.
4673 West Higgins Road, Suite 600
Rosemont, IL 60018
(847) 823-0500 / FAX: (847) 823-0502

CLIENT

Village of Bartlett

PROJECT NO.

08-0558.00006A

DESIGN

DEV

CHKD

TITLE

Streamwood Parcel Project
Proposed Wetland Flood Storage Basin

DATE

06/06/14

EXHIBIT 2

August 18, 2015

Streamwood Parcel

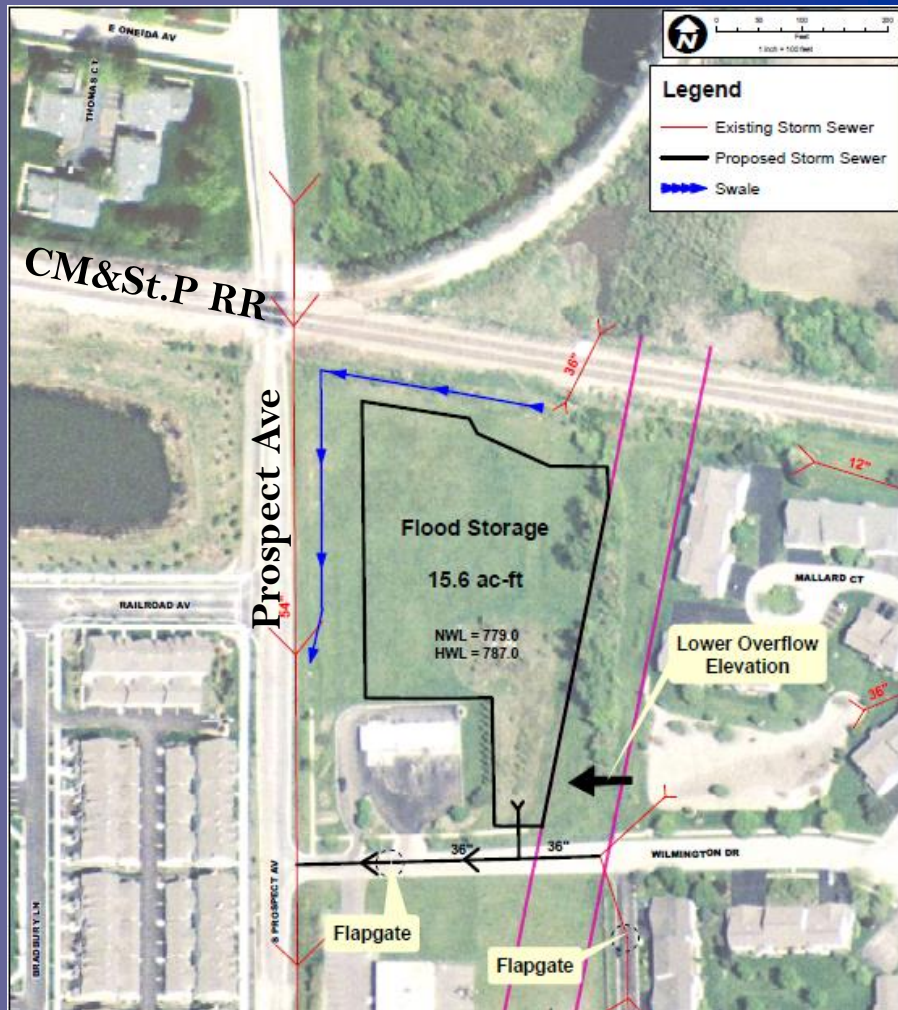
Taken: August 13, 2015



August 18, 2015

Bartlett Flood Risk Reduction
Assessment-Status Update

Hearthwood Farms Flood Storage



- Project challenges:
 - Gas pipeline
 - Private property acquisition
 - Existing infrastructure/utilities



August 18, 2015

Hearthwood Farms Parcel Taken: August 13, 2015

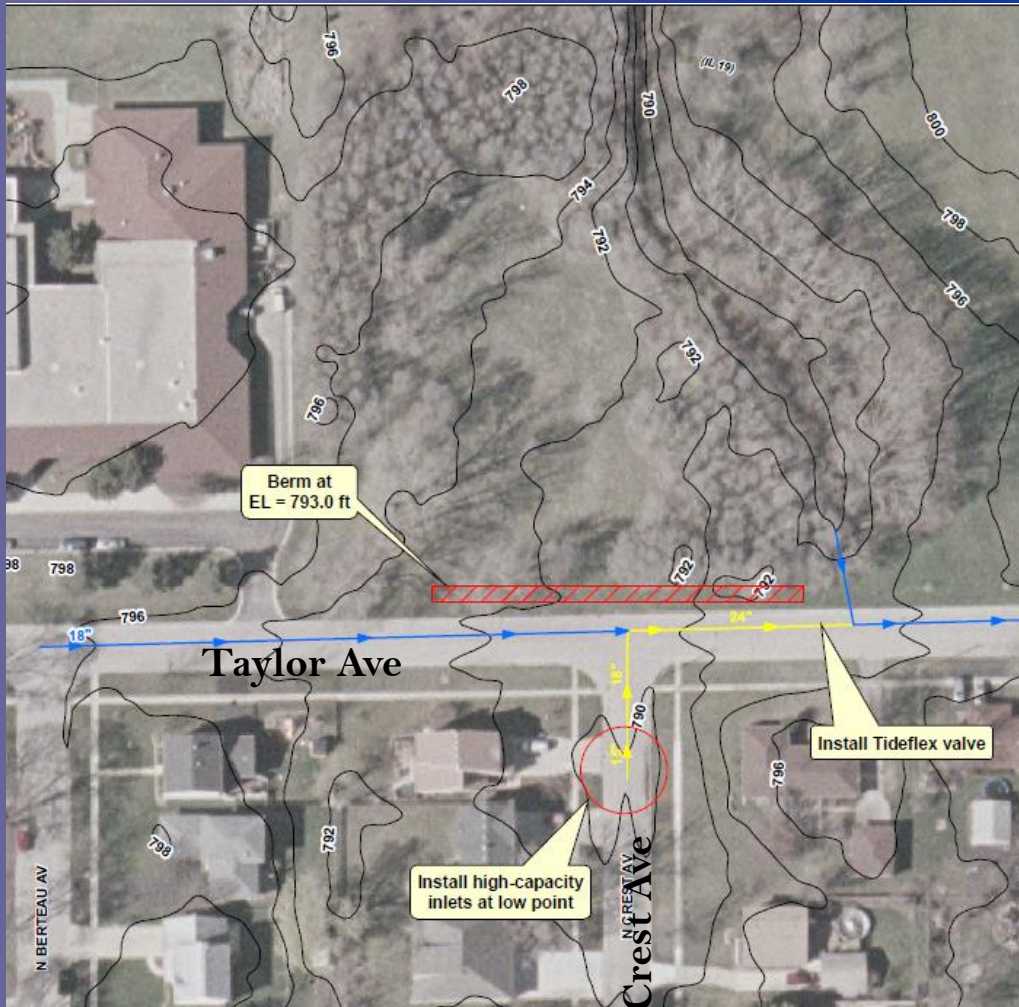


August 18, 2015

Bartlett Flood Risk Reduction
Assessment-Status Update

11

Crest and Taylor Drainage Improvements



- Project challenges:
 - Existing infrastructure/utilities
 - Older neighborhood

Crest and Taylor

Taken: August 13, 2015



August 18, 2015